

Application No.: 10/790,011Docket No.: 2336-244**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-3. (canceled)

4. (currently amended) A ladder-type bulk acoustic wave filter, comprising:

an input terminal;

an output terminal;

a ground terminal;

a plurality of series resonators connected in series between the input terminal and the output terminal;

a plurality of shunt resonators each having a first end and a second end, each of the first ends of said shunt resonators being connected to a contact point of the series resonators, the second ends of said shunt resonators being commonly connected to a common terminal; and

a common ground inductor connecting the common terminal of said shunt resonators to the ground terminal;

~~The ladder-type bulk acoustic wave filter according to claim 1,~~ wherein the common ground inductor is ~~implemented by~~ a conductive pattern formed on a package of the bulk acoustic wave filter or a printed circuit board on which the bulk acoustic wave filter is mounted.

5. (canceled)

6. (currently amended) A ladder-type bulk acoustic wave filter, comprising:

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an input terminal;an output terminal;a ground terminal;a plurality of series resonators connected in series between the input terminal and the output terminal;a plurality of shunt resonators each having a first end and a second end, each of the first ends of said shunt resonators being connected to a contact point of the series resonators, the second ends of said shunt resonators being commonly connected to a common terminal; anda common ground inductor connecting the common terminal of said shunt resonators to the ground terminal;

~~The ladder type bulk acoustic wave filter according to claim 1,~~ wherein the common ground inductor is ~~implemented by~~ a lumped element.

7. (canceled)

8. (currently amended) A ladder-type bulk acoustic wave filter, comprising:

an input terminal;an output terminal;a ground terminal;a plurality of series resonators connected in series between the input terminal and the output terminal;a plurality of shunt resonators each having a first end and a second end, each of the first ends of said shunt resonators being connected to a contact point of the series resonators, the second ends of said shunt resonators being commonly connected to a common terminal; anda common ground inductor connecting the common terminal of said shunt resonators to the ground terminal;

~~The ladder type bulk acoustic wave filter according to claim 1,~~ wherein the ladder type

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~~bulk acoustic wave filter is implemented so that:~~

said series resonators comprise first to fourth series resonators which are sequentially connected in series between the input and output terminals; and

said shunt resonators comprise first and second shunt resonators, the first end of the first shunt resonator is ~~is~~ connected to a first contact point of the input terminal and the first series resonator, and the first end of the second shunt resonator is connected to a second contact point of the second and third series resonators ~~, respectively.~~

9. (new) The ladder-type bulk acoustic wave filter according to claim 6, wherein said series resonators comprise first to fourth series resonators which are sequentially connected in series between the input and output terminals; and

said shunt resonators comprise first and second shunt resonators, the first end of the first shunt resonator is connected to a first contact point of the input terminal and the first series resonator, and the first end of the second shunt resonator is connected to a second contact point of the second and third series resonators.

10. (new) The ladder-type bulk acoustic wave filter according to claim 4, wherein said series resonators comprise first to fourth series resonators which are sequentially connected in series between the input and output terminals; and

said shunt resonators comprise first and second shunt resonators, the first end of the first shunt resonator is connected to a first contact point of the input terminal and the first series resonator, and the first end of the second shunt resonator is connected to a second contact point of the second and third series resonators.